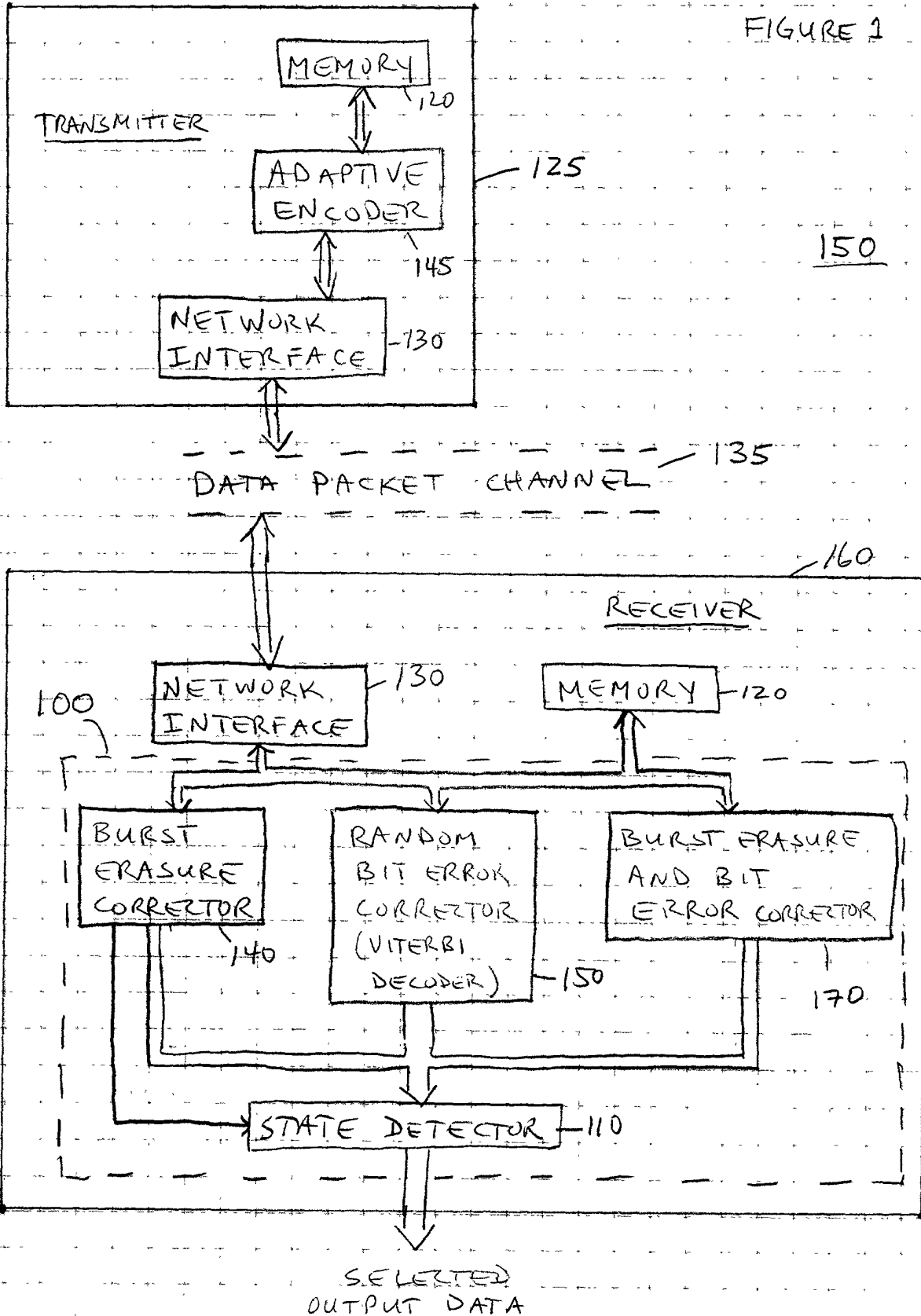


FIGURE 1



$\tilde{y}[i] =$	<table><tr><td><math>x[i]</math></td><td><math>\parallel</math></td><td><math>x[i-3]</math></td></tr></table>	$x[i]$	$\parallel$	$x[i-3]$
$x[i]$	$\parallel$	$x[i-3]$		
$\tilde{y}[i+1] =$	<table><tr><td><math>x[i+1]</math></td><td><math>\parallel</math></td><td><math>x[i-2]</math></td></tr></table>	$x[i+1]$	$\parallel$	$x[i-2]$
$x[i+1]$	$\parallel$	$x[i-2]$		
$\tilde{y}[i+2] =$	<table><tr><td><math>x[i+2]</math></td><td><math>\parallel</math></td><td><math>x[i-1]</math></td></tr></table>	$x[i+2]$	$\parallel$	$x[i-1]$
$x[i+2]$	$\parallel$	$x[i-1]$		
$\tilde{y}[i+3] =$	<table><tr><td><math>x[i+3]</math></td><td><math>\parallel</math></td><td><math>x[i]</math></td></tr></table>	$x[i+3]$	$\parallel$	$x[i]$
$x[i+3]$	$\parallel$	$x[i]$		
$\tilde{y}[i+4] =$	<table><tr><td><math>x[i+4]</math></td><td><math>\parallel</math></td><td><math>x[i+1]</math></td></tr></table>	$x[i+4]$	$\parallel$	$x[i+1]$
$x[i+4]$	$\parallel$	$x[i+1]$		
$\tilde{y}[i+5] =$	<table><tr><td><math>x[i+5]</math></td><td><math>\parallel</math></td><td><math>x[i+2]</math></td></tr></table>	$x[i+5]$	$\parallel$	$x[i+2]$
$x[i+5]$	$\parallel$	$x[i+2]$		
$\tilde{y}[i+6] =$	<table><tr><td><math>x[i+6]</math></td><td><math>\parallel</math></td><td><math>x[i+3]</math></td></tr></table>	$x[i+6]$	$\parallel$	$x[i+3]$
$x[i+6]$	$\parallel$	$x[i+3]$		
$\tilde{y}[i+7] =$	<table><tr><td><math>x[i+7]</math></td><td><math>\parallel</math></td><td><math>x[i+4]</math></td></tr></table>	$x[i+7]$	$\parallel$	$x[i+4]$
$x[i+7]$	$\parallel$	$x[i+4]$		

FIGURE 2

$\tilde{y}[0] =$	<table><tr><td><math>x_0[0]</math></td><td><math>x_1[0]</math></td><td><math>x_2[0]</math></td><td><math>\parallel</math></td><td>0</td></tr></table>	$x_0[0]$	$x_1[0]$	$x_2[0]$	$\parallel$	0
$x_0[0]$	$x_1[0]$	$x_2[0]$	$\parallel$	0		
$\tilde{y}[1] =$	<table><tr><td><math>x_0[1]</math></td><td><math>x_1[1]</math></td><td><math>x_2[1]</math></td><td><math>\parallel</math></td><td><math>x_0[0]</math></td></tr></table>	$x_0[1]$	$x_1[1]$	$x_2[1]$	$\parallel$	$x_0[0]$
$x_0[1]$	$x_1[1]$	$x_2[1]$	$\parallel$	$x_0[0]$		
$\tilde{y}[2] =$	<table><tr><td><math>x_0[2]</math></td><td><math>x_1[2]</math></td><td><math>x_2[2]</math></td><td><math>\parallel</math></td><td><math>x_0[1] \oplus x_1[0]</math></td></tr></table>	$x_0[2]$	$x_1[2]$	$x_2[2]$	$\parallel$	$x_0[1] \oplus x_1[0]$
$x_0[2]$	$x_1[2]$	$x_2[2]$	$\parallel$	$x_0[1] \oplus x_1[0]$		
$\tilde{y}[3] =$	<table><tr><td><math>x_0[3]</math></td><td><math>x_1[3]</math></td><td><math>x_2[3]</math></td><td><math>\parallel</math></td><td><math>x_0[2] \oplus x_1[1] \oplus x_2[0]</math></td></tr></table>	$x_0[3]$	$x_1[3]$	$x_2[3]$	$\parallel$	$x_0[2] \oplus x_1[1] \oplus x_2[0]$
$x_0[3]$	$x_1[3]$	$x_2[3]$	$\parallel$	$x_0[2] \oplus x_1[1] \oplus x_2[0]$		
$\tilde{y}[4] =$	<table><tr><td><math>x_0[4]</math></td><td><math>x_1[4]</math></td><td><math>x_2[4]</math></td><td><math>\parallel</math></td><td><math>x_0[3] \oplus x_1[2] \oplus x_2[1]</math></td></tr></table>	$x_0[4]$	$x_1[4]$	$x_2[4]$	$\parallel$	$x_0[3] \oplus x_1[2] \oplus x_2[1]$
$x_0[4]$	$x_1[4]$	$x_2[4]$	$\parallel$	$x_0[3] \oplus x_1[2] \oplus x_2[1]$		

FIGURE 3

symbol erased →  
 decode  $x_0[4]$  here →  
 decode  $x_1[4]$  here →  
 decode  $x_2[4]$  here →

$y[0] =$	$x_0[0]$	$x_1[0]$	$x_2[0]$	0
$y[1] =$	$x_0[1]$	$x_1[1]$	$x_2[1]$	$x_0[0]$
$y[2] =$	$x_0[2]$	$x_1[2]$	$x_2[2]$	$x_0[1] \oplus x_1[0]$
$y[3] =$	$x_0[3]$	$x_1[3]$	$x_2[3]$	$x_0[2] \oplus x_1[1] \oplus x_2[0]$
$y[4] =$	$x_0[4]$	$x_1[4]$	$x_2[4]$	$x_0[3] \oplus x_1[2] \oplus x_2[1]$
$y[5] =$	$x_0[5]$	$x_1[5]$	$x_2[5]$	$x_0[4] \oplus x_1[3] \oplus x_2[2]$
$y[6] =$	$x_0[6]$	$x_1[6]$	$x_2[6]$	$x_0[5] \oplus x_1[4] \oplus x_2[3]$
$y[7] =$	$x_0[7]$	$x_1[7]$	$x_2[7]$	$x_0[6] \oplus x_1[5] \oplus x_2[4]$

Figure 4

symbol erased →  
 symbol erased →  
 recover  $x_0[6]$  →  
 recover  $x_0[7]$  →  
 recover  $x_1[6]$  →  
 recover  $x_1[7]$  →  
 recover  $x_2[6]$  →  
 recover  $x_2[7]$  →

$y[0] =$	$x_0[0]$	$x_1[0]$	$x_2[0]$	0
$y[1] =$	$x_0[1]$	$x_1[1]$	$x_2[1]$	0
$y[2] =$	$x_0[2]$	$x_1[2]$	$x_2[2]$	$x_0[0]$
$y[3] =$	$x_0[3]$	$x_1[3]$	$x_2[3]$	$x_0[1]$
$y[4] =$	$x_0[4]$	$x_1[4]$	$x_2[4]$	$x_0[2] \oplus x_1[0]$
$y[5] =$	$x_0[5]$	$x_1[5]$	$x_2[5]$	$x_0[3] \oplus x_1[1]$
$y[6] =$	$x_0[6]$	$x_1[6]$	$x_2[6]$	$x_0[4] \oplus x_1[2] \oplus x_2[0]$
$y[7] =$	$x_0[7]$	$x_1[7]$	$x_2[7]$	$x_0[5] \oplus x_1[3] \oplus x_2[1]$
$y[8] =$	$x_0[8]$	$x_1[8]$	$x_2[8]$	$x_0[6] \oplus x_1[4] \oplus x_2[2]$
$y[9] =$	$x_0[9]$	$x_1[9]$	$x_2[9]$	$x_0[7] \oplus x_1[5] \oplus x_2[3]$
$y[10] =$	$x_0[10]$	$x_1[10]$	$x_2[10]$	$x_0[8] \oplus x_1[6] \oplus x_2[4]$
$y[11] =$	$x_0[11]$	$x_1[11]$	$x_2[11]$	$x_0[9] \oplus x_1[7] \oplus x_2[5]$
$y[12] =$	$x_0[12]$	$x_1[12]$	$x_2[12]$	$x_0[10] \oplus x_1[8] \oplus x_2[6]$
$y[13] =$	$x_0[13]$	$x_1[13]$	$x_2[13]$	$x_0[11] \oplus x_1[9] \oplus x_2[7]$

Figure 5

	$\bar{y}[0] =$	$x_0[0]$	$x_1[0]$	$x_2[0]$	$  $	0
	$\bar{y}[1] =$	$x_0[1]$	$x_1[1]$	$x_2[1]$	$  $	$P\{x_0[0], 0, 0, 0\}$
	$\bar{y}[2] =$	$x_0[2]$	$x_1[2]$	$x_2[2]$	$  $	$P\{x_0[1], x_0[0], 0, 0\}$
symbol erased $\rightarrow$	$\bar{y}[3] =$	$x_0[3]$	$x_1[3]$	$x_2[3]$	$  $	$P\{x_0[2], x_0[1], x_1[0], x_2[0]\}$
symbol erased $\rightarrow$	$\bar{y}[4] =$	$x_0[4]$	$x_1[4]$	$x_2[4]$	$  $	$P\{x_0[3], x_0[2], x_1[1], x_2[1]\}$
recover $x_0[3], x_0[4]$ here $\rightarrow$	$\bar{y}[5] =$	$x_0[5]$	$x_1[5]$	$x_2[5]$	$  $	$P\{x_0[4], x_0[3], x_1[2], x_2[2]\}$
recover $x_1[3], x_2[3]$ here $\rightarrow$	$\bar{y}[6] =$	$x_0[6]$	$x_1[6]$	$x_2[6]$	$  $	$P\{x_0[5], x_0[4], x_1[3], x_2[3]\}$
recover $x_1[4], x_2[4]$ here $\rightarrow$	$\bar{y}[7] =$	$x_0[7]$	$x_1[7]$	$x_2[7]$	$  $	$P\{x_0[6], x_0[5], x_1[4], x_2[4]\}$

FIGURE 6

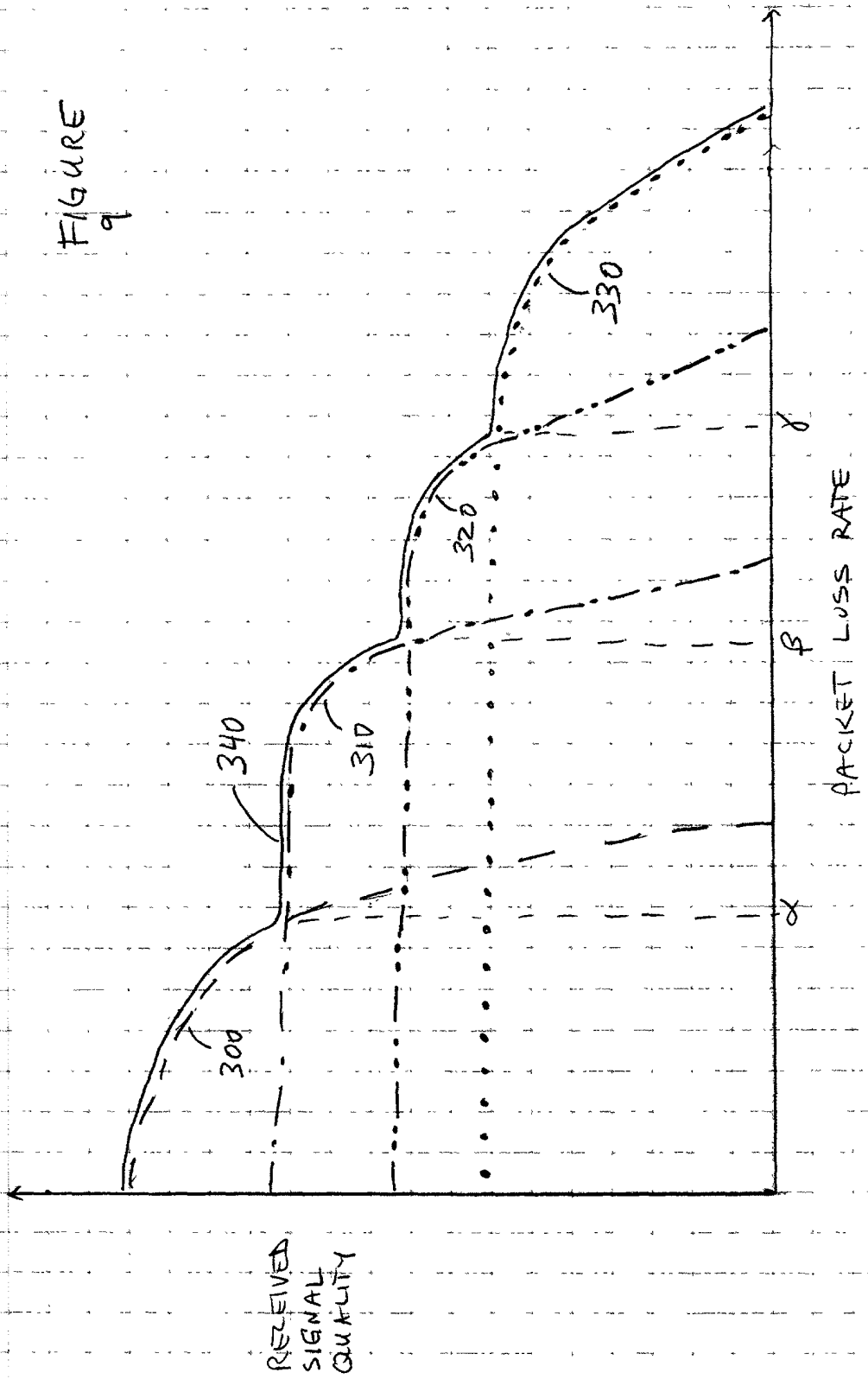
$\bar{y}[i] =$	$x[i]$	$  $	$x[i-3] \oplus x[i-4] \oplus x[i-5]$
$\bar{y}[i+1] =$	$x[i+1]$	$  $	$x[i-2] \oplus x[i-3] \oplus x[i-4]$
$\bar{y}[i+2] =$	$x[i+2]$	$  $	$x[i-1] \oplus x[i-2] \oplus x[i-3]$
$\bar{y}[i+3] =$	$x[i+3]$	$  $	$x[i] \oplus x[i-1] \oplus x[i-2]$
$\bar{y}[i+4] =$	$x[i+4]$	$  $	$x[i+1] \oplus x[i] \oplus x[i-1]$
$\bar{y}[i+5] =$	$x[i+5]$	$  $	$x[i+2] \oplus x[i+1] \oplus x[i]$
$\bar{y}[i+6] =$	$x[i+6]$	$  $	$x[i+3] \oplus x[i+2] \oplus x[i+1]$
$\bar{y}[i+7] =$	$x[i+7]$	$  $	$x[i+4] \oplus x[i+3] \oplus x[i+2]$

FIGURE 7

$$\begin{aligned}
 x[i-1] &= y_0[i-1] \\
 x[i] &= y_0[i] \\
 x[i+1] &= y_1[i+4] \oplus x[i] \oplus x[i-1] \\
 x[i+2] &= y_1[i+5] \oplus x[i+1] \oplus x[i] \\
 x[i+3] &= y_1[i+6] \oplus x[i+2] \oplus x[i+1]
 \end{aligned}$$

FIGURE 8

FIGURE 9



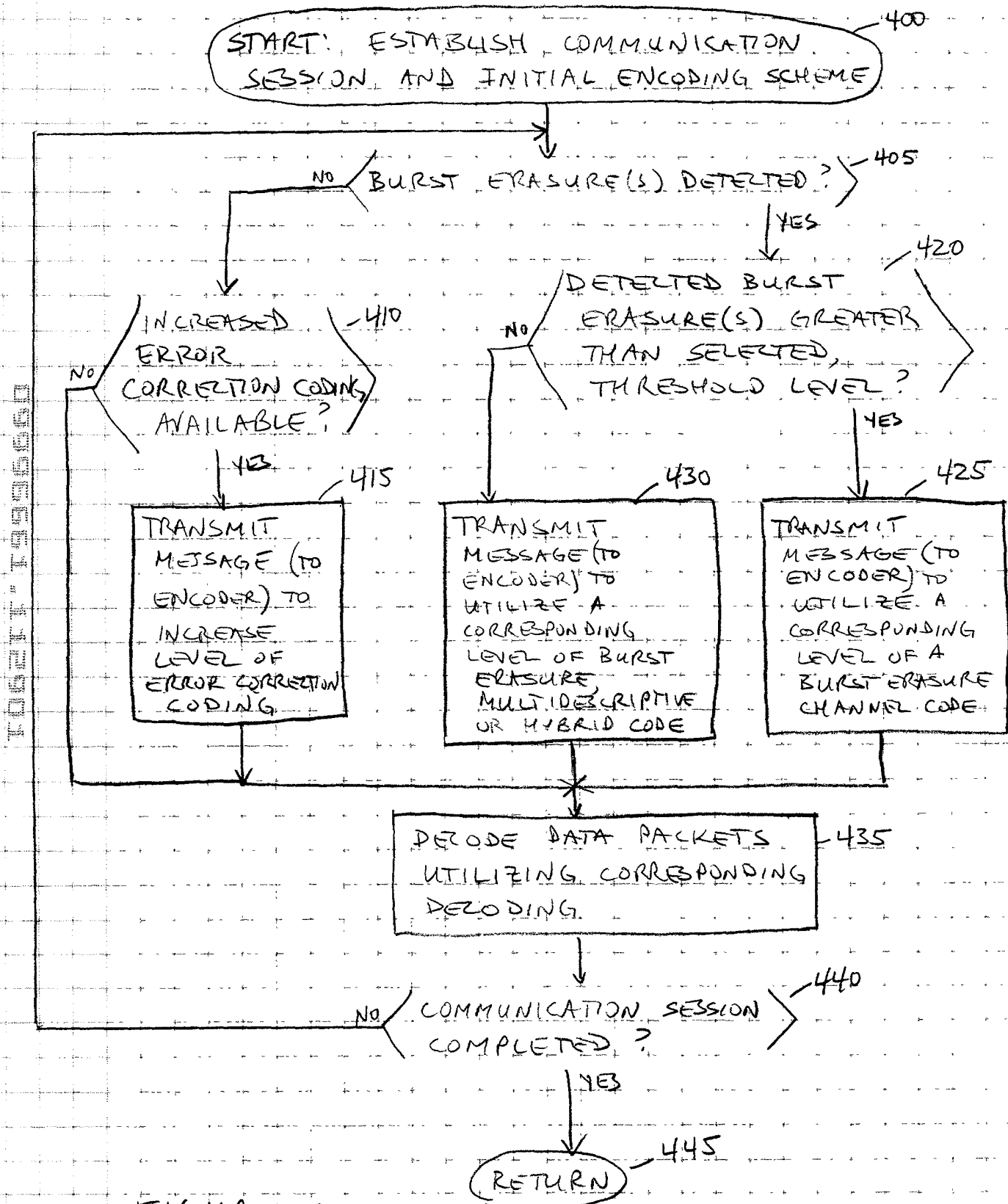


FIGURE 10